

Parameter	Value	Unit	Source
Temperature	25.0	°C	Control
Pressure	1.0	atm	Control
Flow rate	1.0	L/min	Control
Concentration	1.0	g/L	Control
pH	7.0		Control
Time	1.0	h	Control
Volume	1.0	L	Control
Mass	1.0	g	Control
Energy	1.0	J	Control
Power	1.0	W	Control
Frequency	1.0	Hz	Control
Wavelength	1.0	nm	Control
Wavenumber	1.0	cm <sup>-1</sup>	Control
Angle	1.0	°	Control
Distance	1.0	m	Control
Area	1.0	m <sup>2</sup>	Control
Volume	1.0	m <sup>3</sup>	Control
Mass	1.0	kg	Control
Energy	1.0	J	Control
Power	1.0	W	Control
Frequency	1.0	Hz	Control
Wavelength	1.0	nm	Control
Wavenumber	1.0	cm <sup>-1</sup>	Control
Angle	1.0	°	Control
Distance	1.0	m	Control
Area	1.0	m <sup>2</sup>	Control
Volume	1.0	m <sup>3</sup>	Control
Mass	1.0	kg	Control
Energy	1.0	J	Control
Power	1.0	W	Control
Frequency	1.0	Hz	Control
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Volume	1.0	m <sup>3</sup>	Control
Mass	1.0	kg	Control
Energy	1.0	J	Control
Power	1.0	W	Control
Frequency	1.0	Hz	Control
Wavelength	1.0	nm	Control
Wavenumber	1.0	cm <sup>-1</sup>	Control
Angle	1.0	°	Control
Distance	1.0	m	Control
Area	1.0	m <sup>2</sup>	Control
Volume	1.0	m <sup>3</sup>	Control
Mass	1.0	kg	Control
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Distance	1.0	m	Control
Area	1.0	m <sup>2</sup>	Control
Volume	1.0	m <sup>3</sup>	Control
Mass	1.0	kg	Control
Energy	1.0	J	Control
Power	1.0	W	Control
Frequency	1.0	Hz	Control
Wavelength	1.0	nm	Control
Wavenumber	1.0	cm <sup>-1</sup>	Control
Angle	1.0	°	Control
Distance	1.0	m	Control
Area	1.0	m <sup>2</sup>	Control
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Mass	1.0	kg	Control
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Wavelength	1.0	nm	Control
Wavenumber	1.0	cm <sup>-1</sup>	Control
Angle	1.0	°	Control
Distance	1.0	m	Control
Area	1.0	m <sup>2</sup>	Control
Volume	1.0	m <sup>3</sup>	Control
Mass	1.0	kg	Control
Energy	1.0	J	Control
Power	1.0	W	Control
Frequency	1.0	Hz	Control
Wavelength	1.0	nm	Control
Wavenumber	1.0	cm <sup>-1</sup>	Control
Angle	1.0	°	Control
Distance	1.0	m	Control
Area	1.0	m <sup>2</sup>	Control
Volume	1.0	m <sup>3</sup>	Control
Mass	1.0	kg	Control
Energy	1.0	J	Control
Power	1.0	W	Control
Frequency	1.0	Hz	Control
Wavelength	1.0	nm	Control
Wavenumber	1.0	cm <sup>-1</sup>	Control
Angle	1.0	°	Control
Distance	1.0	m	Control
Area	1.0	m <sup>2</sup>	Control
Volume	1.0	m <sup>3</sup>	Control
Mass	1.0	kg	Control
Energy	1.0	J	Control
Power	1.0	W	Control
Frequency	1.0	Hz	Control
Wavelength	1.0	nm	Control
Wavenumber	1.0	cm <sup>-1</sup>	Control
Angle	1.0	°	Control
Distance	1.0	m	Control

FIG. 1

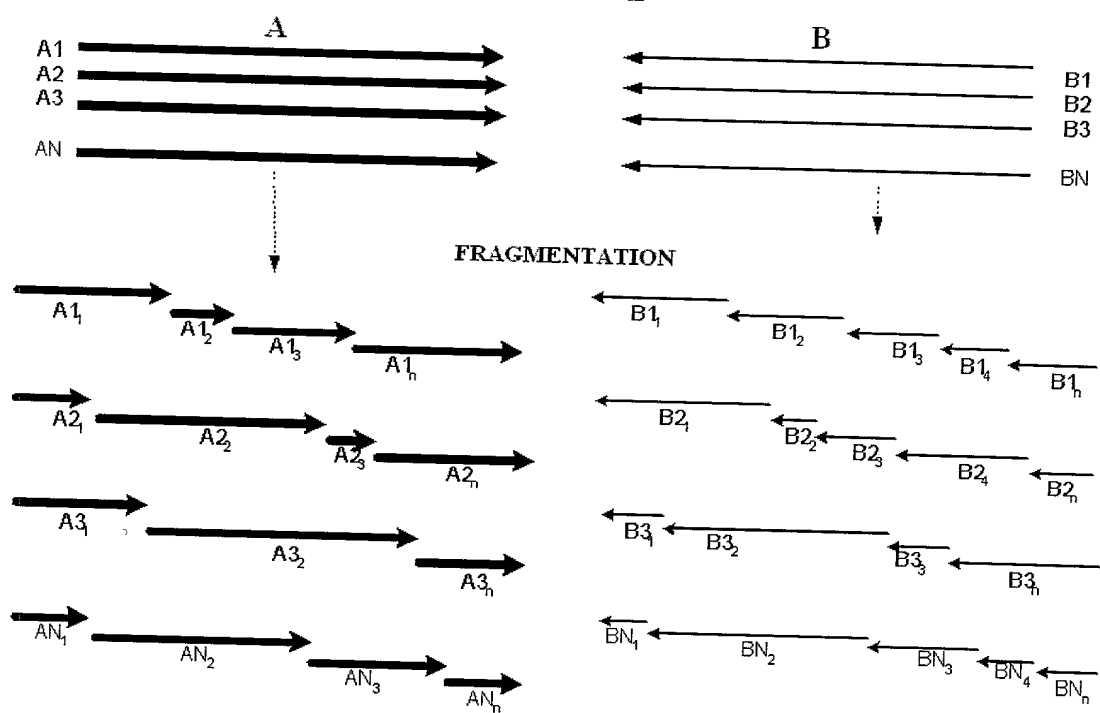
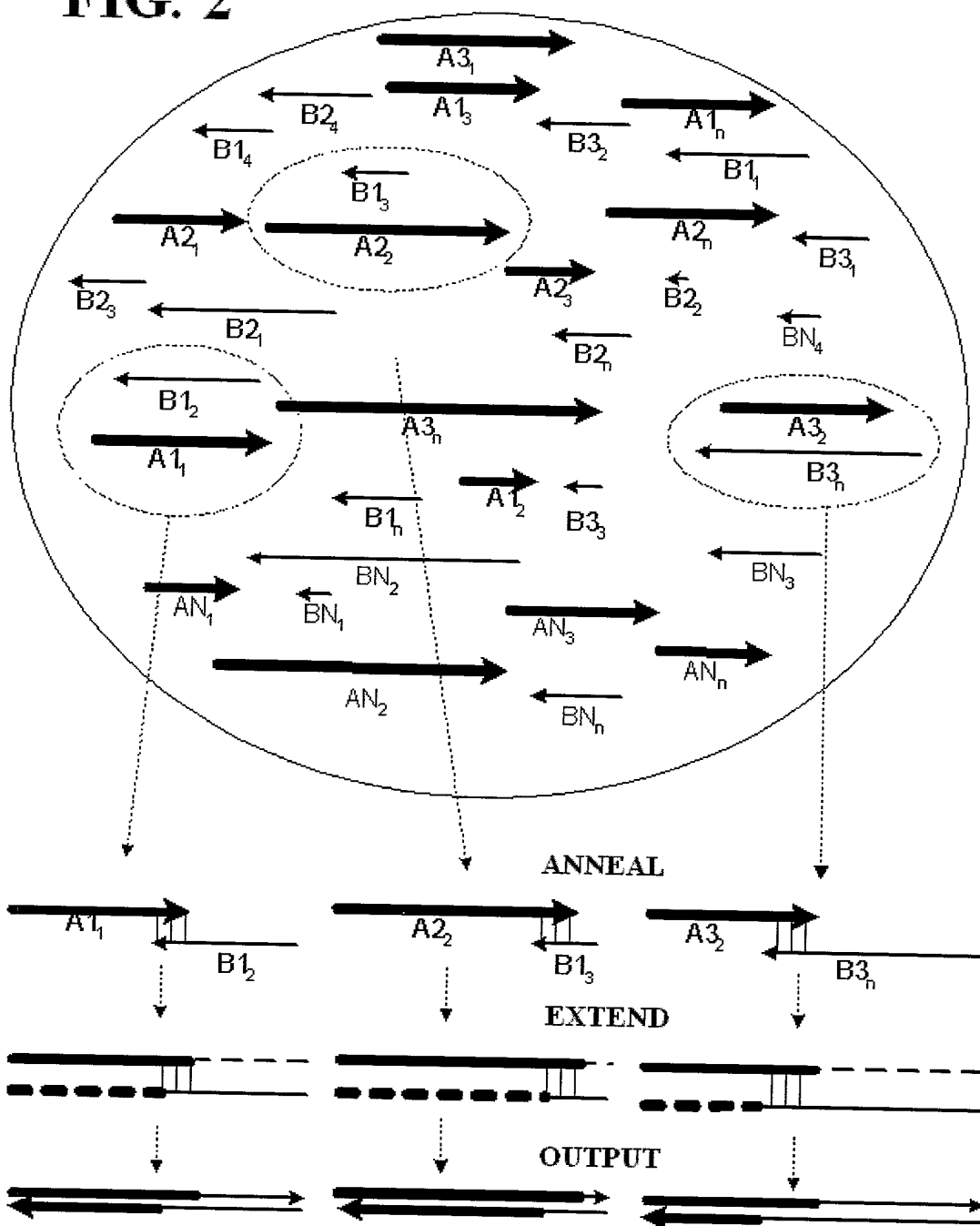


Figure 2 of 6

FIG. 2



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FIG. 3

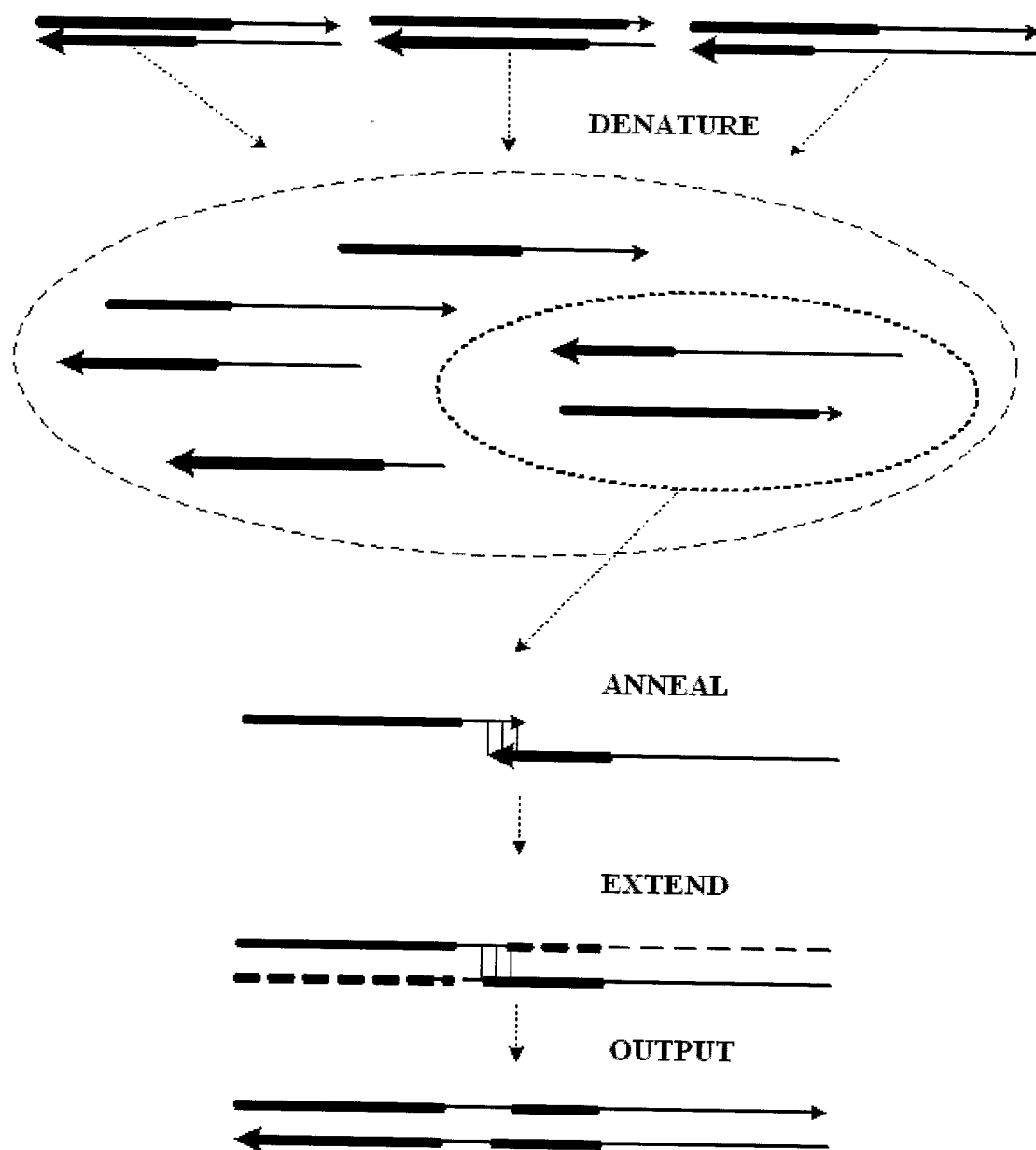
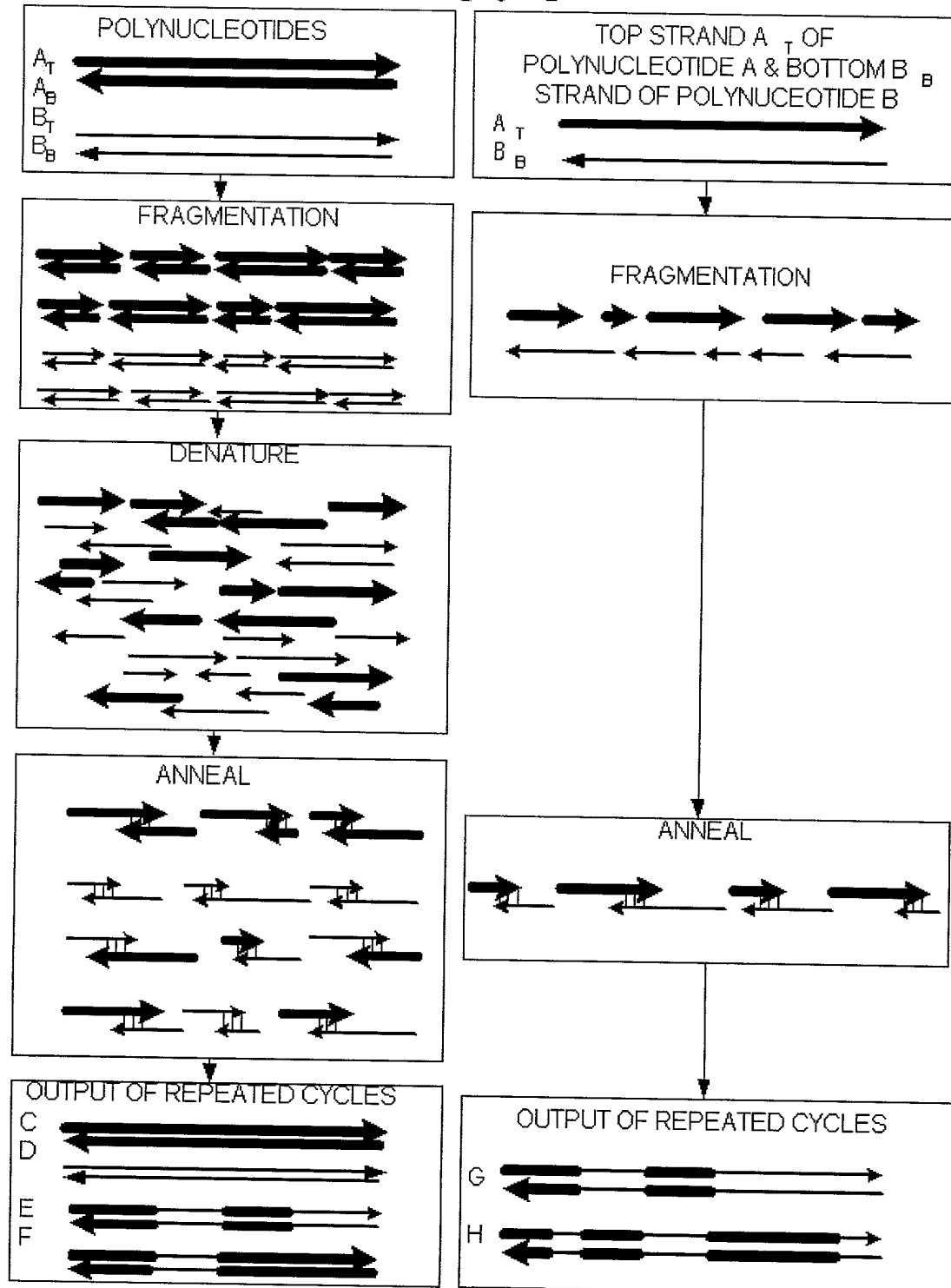


Figure 4 of 6

# FIG. 4



0375049-04101

# FIG. 5A

X	5'-AGATCAATTG-3'	1+
	3'-TCTAGTTAAC-5'	2-
	* *	
Y	5'-AGACCGATTG-3'	3+
	3'-TCTGGCTAAC-5'	4-

# FIG. 5B

POSSIBLE STRAND COMBINATIONS	POSSIBLE +/- STRAND COMBINATIONS	PARTIALLY COMPLEMENTARY POPULATIONS
1+/2-	✓	
1+/3+		
1+/4-	✓	✓
2-/3+	✓	✓
2-/4-		
3+/4-	✓	

001	00000000	00000000
002	00000000	00000000
003	00000000	00000000
004	00000000	00000000
005	00000000	00000000
006	00000000	00000000
007	00000000	00000000
008	00000000	00000000
009	00000000	00000000
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105	00000000	00000000</

